

Substitute Form PTO-1449 (Modified) DEC 19 2003 U.S. DEPT. OF COMMERCE PATENT & TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT by Applicant (Use several sheets if necessary) (Fee \$1.98(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 10578-002005	Application No. 09/943,111
	Applicant William B. Kerfoot		
	Filing Date August 30, 2001	Group Art Unit 1724	

RECEIVED
DEC 29 2003
TC 1700

U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
BMA	AA	4,639,314	1/1987	Tyer			1/18/85
	AB	4,696,739	9/1987	Pedneault			8/11/86
	AC	4,966,717	10/1990	Kern			2/10/89
	AD	5,116,163	5/1992	Bernhardt			1/16/91
	AE	5,122,165	6/1992	Wang et al.			6/11/91
	AF	5,180,503	1/1993	Gorelick et al.			5/10/91
	AG	5,221,159	6/1993	Billings et al.			6/7/91
	AH	5,227,184	7/1993	Hurst			5/29/92
	AI	5,246,309	9/1993	Hobby			5/16/91
	AJ	5,277,518	1/1994	Billings et al.			11/27/91
	AK	5,389,267	2/1995	Gorelick et al.			12/18/92
	AL	5,425,598	6/1995	Pennington			8/12/93
	AM	5,451,320	9/1995	Wang et al.			7/10/90
	AN	5,472,294	12/1995	Billings et al.			1/10/94
	AO	5,698,092	12/1997	Chen			8/7/95
	AP	5,851,407	12/1998	Bowman et al.			11/26/97
	AQ	5,879,108	3/1999	Haddad			6/9/97
	AR	6,007,274	12/1999	Suthersan			5/19/97
	AS	6,217,767	4/2001	Clark			11/3/93
	AT	6,283,674	9/2001	Suthersan			5/8/00
	AU	6,391,259	5/2002	Malkin et al.			6/26/97
BMA	AV	6,403,034	6/2002	Nelson et al.			1/20/99

Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
BMA	AW	4-171036	6/1992	Patent Abstract of Japan				
BMA	AX	6-023378	1/1994	Patent Abstract of Japan				

Examiner Signature

Robert M. Hoey

Date Considered

3/15/04

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute Form PTO-1449 (Modified) Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR § 1.98(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 10578-002005	Application No. 09/943,111
	Applicant William B. Kerfoot		
	Filing Date August 30, 2001	Group Art Unit 1724	

Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AY							
	AZ							
	AAA							

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
BMTA	ABB	"Factors Controlling the Removal of Organic Pollutants in an Ozone Reactor", M.D. Gurol, AWWA 1984 Annual Conference, Dallas, TX, June 10-14, 1984, pp. 2-21.
	ACC	"In-situ Air Sparging Without Inorganic Nutrient Amendment: An Effective Bioremediation Strategy for Treating Petroleum-Contaminated Groundwater Systems", R. Schaffner, Jr., et al., http://www.bioremediationgroup.org/BioReferences/Tier1Papers/insitu.htm , July 30, 2003, pp. 1-14.
	ADD	"Environmental Management", DON Environmental Restoration Plan for Fiscal Years 1997-2001, Sept. 30, 1996, pp. 4-1 to 4-8.
	ABE	"How to Evaluate Alternative Cleanup Technologies for Underground Storage Tank Sites", U.S. Environmental Protection Agency, October 1994.
	AFF	"Yuma Pilot-Testing Ozone Sparging, Stripping", Pasha Publications, Defense Cleanup, Nov. 8, 1996, pp. 5-6.
	AGG	"Chemical Degradation of Aldicarb in Water Using Ozone", F.J. Beltran et al., <i>Journal of Chemical Technology & Biotechnology</i> , 1995, pp. 272-278.
	AHH	"Modelling Industrial Wastewater Ozonation in Bubble Contactors", <i>Ozone Science & Engineering</i> , Vol. 17, 1995, pp. 379-398.
	AII	"Modelling Industrial Wastewater Ozonation in Bubble Contactors", <i>Ozone Science & Engineering</i> , Vol. 17, 1995, pp. 355-378.
	AJJ	"Kinetics of the Bentazone Herbicide Ozonation", <i>Journal of Environmental Science and Health</i> , Vol. A31, No. 3, 1996, pp. 519-537.
	AKK	"Field Applications of In Situ Remediation Technologies: Chemical Oxidation", U.S. Environmental Protection Agency, September 1998, pp. 1-31.
	ALL	"Technology Status Review In Situ Oxidation", <i>Environmental Security Technology Certification Program</i> , November 1999, pp. 1-42.
	AMM	"Design of a Packed Bed Ozonation Reactor for Removal of Contaminants from Water, Billing, Dissertation Abstracts International, Vol. 57, No. 10, April 1997, pp. 6398-B.
	ANN	"Completed North American Innovative Remediation Technology Demonstration Projects", U.S. Environmental Protection Agency, Office of Solid Waste and Emergency Response, August 12, 1996, pp. 1-35.
	AOO	"Ground Water Issue", H.H. Russell et al., U.S. Environmental Protection Agency, January 1992, pp. 1-10.
	APP	"In Situ Chemical Treatment", Y. Yin, Ph.D., <i>Technology Evaluation Report, GWRTAC</i> , July 1999, pp. 1-74.
BMTA	AQQ	"Analysis of Selected Enhancements for Soil Vapor Extraction", U.S. Environmental Protection Agency, September 1997, pp. 1-5 to 7-39.

Examiner Signature <i>Robert M. Foley</i>	Date Considered 3/15/04
EXAMINER: Initials and date considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Form PTO-1449 (Modified) DEC 9 2003 (37 C.F.R. § 1.98(b))	U.S. Department of Commerce Patent and Trademark Office		Attorney's Docket No. 10578-002005	Application No. 09/943,111
	Information Disclosure Statement by Applicant (Use several sheets if necessary)			
	Applicant William B. Kerfoot		Filing Date August 30, 2001	Group Art Unit 1724

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
BMM	ARR	"Biologisch-chemische Behandlung eines Kontaminierten Grundwassers von einem Gaswerksgelände, Dr.-Ing. Joachim Behrendt, Technische Universität Hamburg-Harburg, Germany, Vol. 136, No. 1, January 1995, pp. 18-24.
	ASS	"Single-phase Membrane Ozonation of Hazardous Organic Compounds in Aqueous Streams", P.V. Shanbhag et al., <i>Journal of Hazardous Materials</i> 41, 1995, pp. 95-104.
	ATT	"Gas Partitioning of Dissolved Volatile Organic Compounds in the Vadose Zone: Principles, Temperature Effects and Literature Review, J.W. Washington, GROUNDWATER, Vol. 34, No. 4, July-August 1996, pp. 709-718.
	AUU	"Biologically Resistant Contaminants, Primary Treatment with Ozone", D.F. Echegaray et al., <i>Water Science and Technology, A Journal of the International Association on Water Quality</i> , Vol. 29, No. 8, 1994, pp. 257-261.
	AVV	"Toxins, toxins everywhere", K.K. Wiegner, <i>Forbes</i> , July 22, 1991, pp. 298.
	AWW	"In Situ Air Sparging System", <i>Tech Data Sheet, Naval Facilities Engineering Service Center</i> , March 1997, pp. 1-4.
	AXX	"Ground Water, Surface Water, and Leachate", http://www.fitr.gov/matrix2/section4/4-30.html , July 22, 2003, pp. 1-4.
	AYY	"Alternate Technologies for Wastewater Treatment", J. Hauck et al., <i>Pollution Engineering</i> , May 1990, pp. 81-84.
	AZZ	"Cleaning up", <i>Forbes</i> , June 1, 1987, pp. 52-53.
	AAAA	"In Situ Chemical Oxidation for Remediation of Contaminated Soil and Ground Water", <i>EPA</i> , September 2000, Issue No. 37, pp. 1-6.
	ABBB	"Aquifer Remediation Wells", <i>EPA</i> , Vol. 16, September 1999, pp. 1-80.
	ACCC	"Transfer Rate of Ozone across the Gas-Water Interface", S. Okouchi et al., <i>The Chemical Society of Japan</i> , No. 2, 1989, pp. 282-287.
	ADDD	"Effect of Organic Substances on Mass Transfer in Bubble Aeration", M. Gurol et al., <i>Journal WPCF</i> , Vol. 57, No. 3, pp. 235-240.
	AEEE	"Clare Water Supply", <i>EPA</i> , http://www.epa.gov/region5/superfund/npl/michigan/MID980002273.htm , pp. 1-3.
	AFFF	"Who's Afraid of MTBE?", K.P. Wheeler et al., <i>Manko, Gold & Katcher</i> , http://www.rcc-net.com/Wheels.htm , July 2000, pp. 1-5.
	AGGG	"RCC RemedOzone Mobile Remediation System", RCC
	AHHH	"Santa Barbara I Manufactured Gas Plant Site", <i>California EPA</i> , January 2002, pp. 1-6.
	AIHH	"Typical Applications of Ozone", ARCE Systems, Inc., http://www.arcesystems.com/products/ozone/applications.htm , 2000-02, pp. 1-2.
	AJJJ	"Strategies to Protect Your Water Supply from MTBE", Komex Industries, http://www.komex.com/industries/remediation.stm , 2002, pp. 1-8.
	AKKK	"In Situ Remediation with Chemical Oxidizers: Ozone, Peroxide and Permanganate", Environmental Bio-systems, Inc., pp. 1-5.
BMM	ALLL	"Newark Brownfield Site to Increase Student Housing", Environmental Alliance Monitor, http://www.envalliance.com/monitor&pubs/1998fall.htm , 1998, pp. 1-8.

Examiner Signature <i>Betsy M. Hoey</i>	Date Considered 3/15/04
EXAMINER: Initials/citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Form PTO-1449 (Modified)		U.S. Department of Commerce Patent and Trademark Office		Attorney's Docket No. 10578-002005	Application No. 09/943,111
Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR 1.98(b))				Applicant William B. Kerfoot	
				Filing Date August 30, 2001	
Other Documents (include Author, Title, Date, and Place of Publication)					
Examiner Initial	Desig. ID	Document			
Bm	AMMM	"In Situ Ozonation to Remediate Recalcitrant Organic Contamination", J. Dablow et al., IT Corporation, pp. 1-2.			

Examiner Signature <i>Betsy M. Harey</i>	Date Considered 3/15/04
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	